

For the Convenience of the Examiner

Key to Figures

- 5 [Line 5-5 in Fig 4 refers to Fig 5]
- 10 Closure block
- 12 Reactor pot
- 14 Lid
- 16 Closure seal
- 18 Small opening
- 20 Tool carrier
- 22 Carriage assembly
- 24 Accumulator assembly
- 26 Remote hydraulic actuator assembly
- 27 Secondary Operating Actuator
- 28 Arcuate frame
- 29 Upper arcuate slot
- 30 Delivery chain
- 31 Lower arcuate slot
- 32 Stabilizers
- 33 Side wall
- P Probe
- 34 Tracks
- 35 Cam

Key to Figures

- 36 Track
- 37 Cam
- 38 Arcuate recess
- 40 Hydraulic cylinder (not shown. Next to and identical to 42)
- 42 Hydraulic cylinder
- 44 Double acting piston
- 45 Double acting piston
- 46 Hydraulic line for cylinders 40 and 86
- 47 Carriage assembly inlet/outlet port for hydraulic line 46
- 48 Hydraulic line for cylinders 40 and 86
- 49 Carriage assembly inlet/outlet port for hydraulic line 48
- 50 Hydraulic line for cylinders 42 and 88
- 51 Carriage assembly inlet/outlet port for hydraulic line 50
- 52 Hydraulic line for cylinders 42 and 88
- 53 Carriage assembly inlet/outlet port for hydraulic line 52
- 54 Holes
- 56 Conventional probe connections
- 58 Conventional probe connections
- Y Direction of movement of probe P
- Z Direction of pivot in figure 7
- 60 Top portion of track 34

Key to Figures

62	Top portion of track 36
70	Actuator body
72	Guide plate
74	Guide pin
76	Guide pin
78	Skew adjuster
80	Lead screw
82	Double acting piston
84	Double acting piston
86	Internal cylinder
88	Internal cylinder
90	Remote hydraulic actuator assembly inlet/outlet port for hydraulic line 46
92	Remote hydraulic actuator assembly inlet/outlet port for hydraulic line 48
94	Remote hydraulic actuator assembly inlet/outlet port for hydraulic line 50
96	Remote hydraulic actuator assembly inlet/outlet port for hydraulic line 52
MA	Manipulator apparatus
110	Remote operating system
112	Base plate
114	Handle
116	Handle
120	Chambered Manifold block

Key to Figures

- 122 Pressure gage
- 124 Three way flow control valve for hydraulic line 46
- 126 Three way flow control valve for hydraulic line 48
- 128 Three way flow control valve for hydraulic line 52
- 130 Three way flow control valve for hydraulic line 50
- 132 Three way flow control valve for hydraulic line 48
- 134 Three way flow control valve for hydraulic line 52
- 136 Fluid fill valve
- 138 Air control valve
- 140 Pulsation damper
- 142 Accumulator assembly inlet/outlet port for three way control valve 124
- 144 Accumulator assembly inlet/outlet port for three way control valve 126
- 146 Accumulator assembly inlet/outlet port for three way control valve 128
- 148 Accumulator assembly inlet/outlet port for three way control valve 130
- 150 Accumulator assembly inlet/outlet port for three way control valve 132
- 152 Accumulator assembly inlet/outlet port for three way control valve 134
- 154 Accumulator assembly inlet/outlet port for fluid fill valve 136
- 156 Accumulator assembly inlet/outlet port for air control valve 138